SEQUENCE LISTING

GENERAL INFORMATION:

(i) APPLICANT:

- (A) NAME: Roche Diagnostics GmbH
- (B) STREET: Sandhoferstr. 116
- (C) CITY: Mannheim
- (E) COUNTRY: DE
- (F) POSTAL-CODE (ZIP): 68305
- (G) TELEPHONE: 06217595482
- (H)\TELEFAX: 06217594457
- (ii) TITLE OF INVENTION: Method for uncoupled, direc, exponential amplification and sequencing of DNA molecules with the addition of a second thermostable DNA polymerase and its application
 - (iii) NUMBER OF SEQUENCES: 5
 - (iv) COMPUTER READARLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: Paten In Release #1.0, Version #1.30 (EPO)
- (2) INFORMATION FOR SEQ ID NO: 1:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 25 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii)	MOLE	CULE TYPE:	other	nucleio	c acid		
	(A)	DESCRIPTIO	ON:	/desc =	"oligonu	cleotide"	
(xi)	SEQU	ENCE DESCRI	PTION	: SEQ II	NO: 1:		
GGCTGGTC	CT GC	CGCTGCTT G	ГСАТ			25	
(2) INFOR	ITAMS	ON FOR SEQ	ID NO	: 2:			
(i)	SEQU	ENCE CHARAC	CTERIST	rics:			
	(A)	LENGTH: 27	1 base	pairs			
	(B)	TYPE: nucl	leic ac	cid			
	(C)	STRANDEDNE	ESS: si	ingle			
	(D)	TOPOLOGY:	linear	r			
(ii)	MOLE	CULE TYPE:	other	nucleio	acid		
	(A)	DESCRIPTIO	ON:	/desc =	"oligonu	cleotide"	
(xi)	SEQUI	ENCE DESCRI	PTION:	: SEQ II	NO: 2:		
CTGCTCCCC	CA GTO	GGATCGGG TO	FTAAAC				27
(2) INFO	OMA TIT	ON FOR SEQ	TD NO.	. 3.			
(2) INFOR	KIMAT I	JN FOR SEQ	ID NO:	: 3:			
(i)	SEQUI	ENCE CHARAC	TERIS:	rics:			
	(A)	LENGTH: 27	7 base	pairs		-	
		TYPE: nucl		_			
		STRANDEDNE					
		TOPOLOGY:		-			
	(2)			_			
(ii)	MOLE	CULE TYPE:	other	nucleio	acid		

/desc = "oligonucleotide"

(A) DESCRIPTION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

CAGGAAACAG CTATGAC

CAC	CTTTG	GG GTGGTGACAA GTGTGAT	27
(2)	INF	ORMATION FOR SEQ ID NO: 4:	
	(i)	SEQUENCE CHARACTERISTICS:	
		(A) LENGTH: 24 base pairs	
		(B) TYPE: nucleic acid	
		(C) STRANDEDNESS: single	
		(D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid	
		(A) DESCRIPTION: /desc = "oligonucleotide	11
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 4:	
CGA	CGTTG	TA AAACGACGGC CAGT	24
(2)	INFO	RMATION FOR SEQ ID NO: 5:	
	(i)	SEQUENCE CHARACTERISTICS:	
		(A) LENGTH: 17 base pairs	
		(B) TYPE: nucleic acid	
		(C) STRANDEDNESS: single	
		(D) TOPOLOGY: linear	
	(ii)	MOLECULE TYPE: other nucleic acid	
		(A) DESCRIPTION: /desc = "oligonucleotide"	٠,
	(xi)	SEQUENCE DESCRIPTION: SEQ ID NO: 5:	